

*REGISTRATION - WATERSHEDS 103:  
TRAINING FOR TMDL  
PRACTITIONERS*

June 12, 2001

Please register before June 7, 2001. Questions regarding registration can be directed to Vera Williams by phone, (515) 281-5612 or by e-mail: vera.williams@dnr.state.ia.us.

*REGISTRATION FORM*

*(Make a copy of this form if you wish to keep the program on the reverse side intact)*

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_

Fax: (\_\_\_\_) \_\_\_\_\_

E-mail: \_\_\_\_\_

Mail, fax, or e-mail your registration to:

Vera Williams  
Iowa Department of Natural Resources  
Wallace Building  
502 East 9<sup>th</sup> Street  
Des Moines, Iowa 50319-0034  
E-mail: vera.williams@dnr.state.ia.us  
Fax: (515) 281-8895

U.S. Environmental Protection Agency  
901 N. 5<sup>th</sup> Street  
Kansas City, KS 66101



The Watershed Academy Presents

Watersheds 103

**TRAINING FOR TMDL  
PRACTITIONERS**

*A Training Workshop*

*June 12, 2001  
Iowa Dept. of Natural Resources  
Wallace Building  
900 E. Grand Avenue  
Des Moines, Iowa 50319*

*A workshop cosponsored by*



*U.S. Environmental Protection Agency's  
Office of Wetlands, Oceans and Watersheds, USEPA  
Region 7, and Iowa Department of Natural  
Resources*

*Presented by Tetra Tech, Inc.*

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## ABOUT THE COURSE

This one-day course reviews the programmatic and technical components for developing total maximum daily loads (TMDLs) under Section 303(d) of the Clean Water Act. Section 303(d) requires that states develop lists of waters that do not meet state water quality standards, even after the application of technology-based and other required controls. States must establish priority rankings for waters on the list and develop TMDLs for these waters. A TMDL is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. This training provides critical information on how the technical basis for a TMDL can be developed. The TMDL information will be presented through lectures and relevant case study examples tailored to regional needs.

This course is sponsored by EPA's Office of Water, Office of Wetlands, Oceans and Watersheds, EPA Region 7, and Iowa Department of Natural Resources. The course is intended for those who will actually be developing TMDLs, including technical water resources staff and watershed managers from states, tribes, and territories; local governments; EPA regional and headquarters staff; and other interested watershed practitioners.

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## TENTATIVE AGENDA

Registration	8:30 - 9:15 a.m.
Introduction and Course Overview	9:15 - 9:30 a.m.
Introduction to TMDLs	9:30 - 11:15 a.m.
Program Overview	
TMDL Process	
TMDL Elements and Analysis	
Considerations	
TMDL Submittal	
<i>Break</i>	
Case Study 1	11:30 a.m. - 1:00 p.m.
Examples being presented are tailored to specific waterbody types and regional considerations	
<i>Lunch (on your own)</i>	1:00 p.m.- 2:00 p.m.
Modeling and Analysis for Establishing TMDLs	2:00 - 3:15 p.m.
Development of the Analytical Approach	
Introduction to Modeling	
Available Models and Model Selection	
Model Application	
<i>Break</i>	
Case Study 2	3:30 - 4:30 p.m.
Discussion and Summary	4:30 - 5:30 p.m.

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## WORKSHOP LOCATION

This one-day workshop will be held at Iowa Department of Natural Resources. For directions to the site, contact Vera Williams by phone, (515) 281-5612 or by e-mail, vera.williams@dnr.state.ia.us.

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## HOTEL ACCOMMODATIONS

Attendees are responsible for their own arrangements. A list of nearby hotels can be obtained by contacting Vera Williams by phone, (515) 281-5612 or by e-mail, vera.williams@dnr.state.ia.us.

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## THE WATERSHED ACADEMY

The Watershed Academy supports a variety of efforts such as training and the development of reference materials to implement the watershed approach. For more information on the Academy, visit EPA's Web site at: [www.epa.gov/owow/watershed/wacademy.html](http://www.epa.gov/owow/watershed/wacademy.html)

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## EPA's TMDL PROGRAM

For more information on EPA's TMDL Program including existing regulatory requirements, proposed regulations and guidance, State maps showing impaired waters, and other information, visit EPA's TMDL website at [www.epa.gov/owow/tmdl](http://www.epa.gov/owow/tmdl).